ABSTRACT OF THE DISCLOSURE

An application server includes a cache memory that stores in a correlated form a retrieval condition and a retrieval result, an update condition setting unit that sets a cache update condition that indicates when the cache memory is to be updated; and an update processing unit that reads the retrieval condition from the cache memory upon fulfillment of the cache update condition, retrieves data as the retrieval result from the database using the retrieval condition, and updates the retrieval result in the cache memory corresponding to the retrieval condition.